INTERNATIONAL SEARCH REPORT

International application No. PCT/CN2004/000169

A. CLASSIFICATION OF SUBJECT MATTER

G01N33/543, C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

PC': G01N33/543,C12Q1/68, G01N33/68, G01N33/53, G01N33/50, G01N33/48, C12Q1/00, G01N33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Chinese patent documents(1985~)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT&CNKI&WPI&EPODOC&PAJ: gene chip, biochip, DNA chip, microarray(s), micro array(s)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN, Y, 2280908 (Gao Jinsong) 06.May.1998 (06.05.1998), Page 1-2, Fig.1-3	50、51
X Y A	CN. A. 1273609 (HYSEQ INC) 15.Nov.2000 (15.11.2000), Page3-5, 13-28, 67-73, Claims	36、37、59 50-53 38-42、57、58
Y A	CN, A, 1274758 (Lu Zuhong) 29.Nov.2000 (29.11.2000), Page3-10, Fig.1.	52、53 1-40、43-46、55、56
Y A	CN, A, 1281147 (Wu Chang) 24.Jan.2001 (24.01.2004), Page1	52, 53
X Y A	CN, A, 1335501 (SHANGHAI JINGTAI BIOLOGICAL TECHNOLOGY COMPANY) 13.Feb.2002 (13.02.2002), Page1-4, Fig.1-3	59 36、37、52、53 1-35、38-51、54-58、

☑ Further documents are listed in the continuation of Box C. ☑ See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 07.Jul.2004(07.07.2004)

Date of mailing of the international search report 22 · JUL 2004 (22 · 07 · 2004)

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Form PCT/ISA /210 (second sheet) (January 2004)

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International application No. PCT/CN2004/000169

C (Continuat	OD). DOCUMENTS CONSIDERED TO BE RELEVANT
Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.
	CN, A, 1343790 (HENAN PROV BIO TECHNOLOGY DEV CENT) 10.Apr.2002 61
	(10.04.2002). Page1-3. Fig.1-3
?	Jornal of Mechanical Strength, Vol.23, No.4, 2001, Cui Dafu "DNA chips research 32, 33
	based on bioMEMS technologies , Page471-473
	WO, A1, 02090963 (Combimatrix Corporation) 14.Nov.2002 (14.11.2002), Page8 59 1-58 60
	9, Fig.1
	CN, A, 1314493 (SHANGHAI BODAG GERIS SET OF ELLET TO
	(26.09.2001), The whole document CN,A,1325026(ChongQing University)05.Dec.2001(05.12.2001),The whole 1-56
Ά.	document CN,A,1417348(Union Gene Technology LTD.)14.May.2003(14.05.2003),The whole 1-59
PA	document CN & 1448723(Chenedu Kuachang Science & Technology 1-56
A	ITD.115.Oct.2003(15.10.2003). The whole document US, A, 5545531 (Richard P. Rava etal.) 13. Aug. 1996(13.08.1996), The whole 1-56
A	document US,A1,2002009728(Michael Bittner etal.)24.Jan.2002(24.01.2002),The whole 1-56
	document WO,A1,02052045(Aviva Biosciences)04.Jul.2002(04.07.2002),The whole document 1-56
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: Claims1-56 and claims 57-60 and claim61. Claims 1-56 relate to a chip for analysis, a top component or a base component of the chip or a substrate. Claims 57-60 relate to a qualitative or quantitative analysis. Claim 61 relates to a detection equipment.
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report cover only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricte to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on protest The acditional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/CN2004/000169

atent document cited in search report	Publication date	Patent family member(s)	Publication Date
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		WO , A1, 9909217	25.Feb.1999
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		EP , A1, 1012335	28.Jun.2000
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		US , A , 2002018991	14.Feb.2002
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